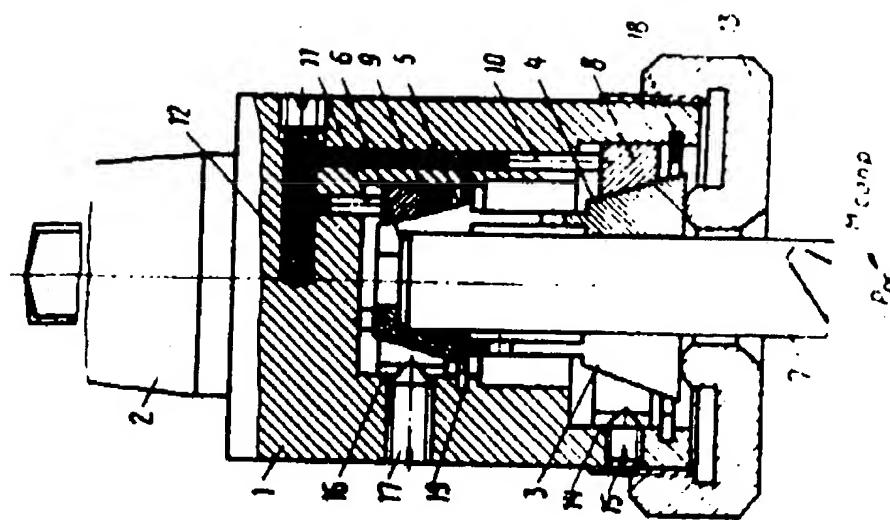


50 1473906 A



DERWENT-ACC-NO: 1990-035389

DERWENT-WEEK: 199005

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TITLE: Precision chuck for cylindrical
drills - employs twin taper collets in conjunction with
hydro-plastic filler

INVENTOR: KUZNETSOV, Y U N; NAGORNYAK, S G ; NAZAREVICH, B I

PATENT-ASSIGNEE: KIEV POLY[KIPO] , TERN LVOV POLY[LVPO]

PRIORITY-DATA: 1987SU-4234989 (April 27, 1987)

PATENT-FAMILY:

PUB-NO	PUB-DATE	
LANGUAGE	PAGES	MAIN-IPC
SU 1473906 A		April 23, 1989
003	N/A	N/A

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
SU 1473906A	N/A	
1987SU-4234989	April 27, 1987	

INT-CL (IPC): B23B031/04

ABSTRACTED-PUB-NO: SU 1473906A

BASIC-ABSTRACT:

A collet chuck for cylindrical shank tools such as drills, reamers, end milling cutters etc., has a collet (3) with two conical interfaces (4,5) interacting with upper and lower taper rings (8,9) capable of axial displacement.

Inner channels in the housing are filled with an elastic medium, e.g.

hydroplastic, interacting via plungers with the taper rings to lock or disengage the collet in conjunction with an outer ring (13).

ADVANTAGE - This design increases the operational reliability of the chuck, its accuracy and self-locking. Bul.15/23.4.89

CHOSEN-DRAWING: Dwg.1/1

TITLE-TERMS: PRECISION CHUCK CYLINDER DRILL EMPLOY TWIN TAPER COLLET
CONJUNCTION HYDRO PLASTIC FILL

DERWENT-CLASS: P54

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1990-027109